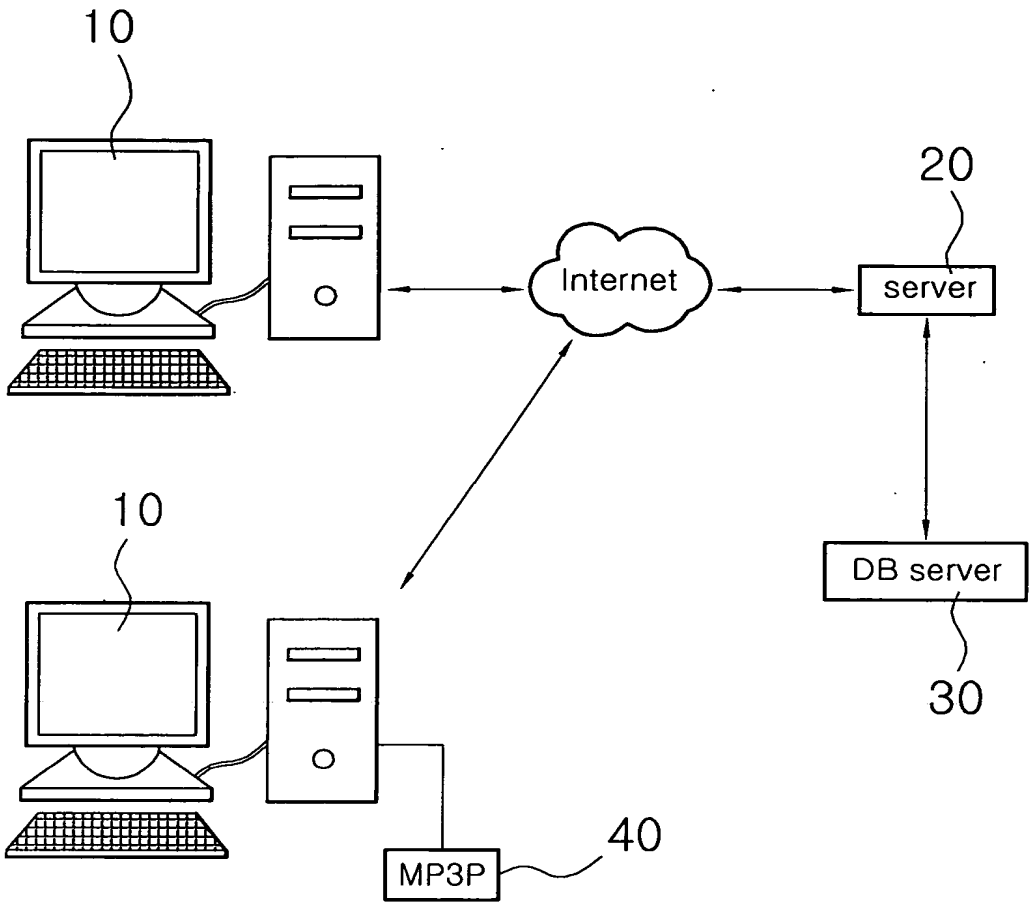
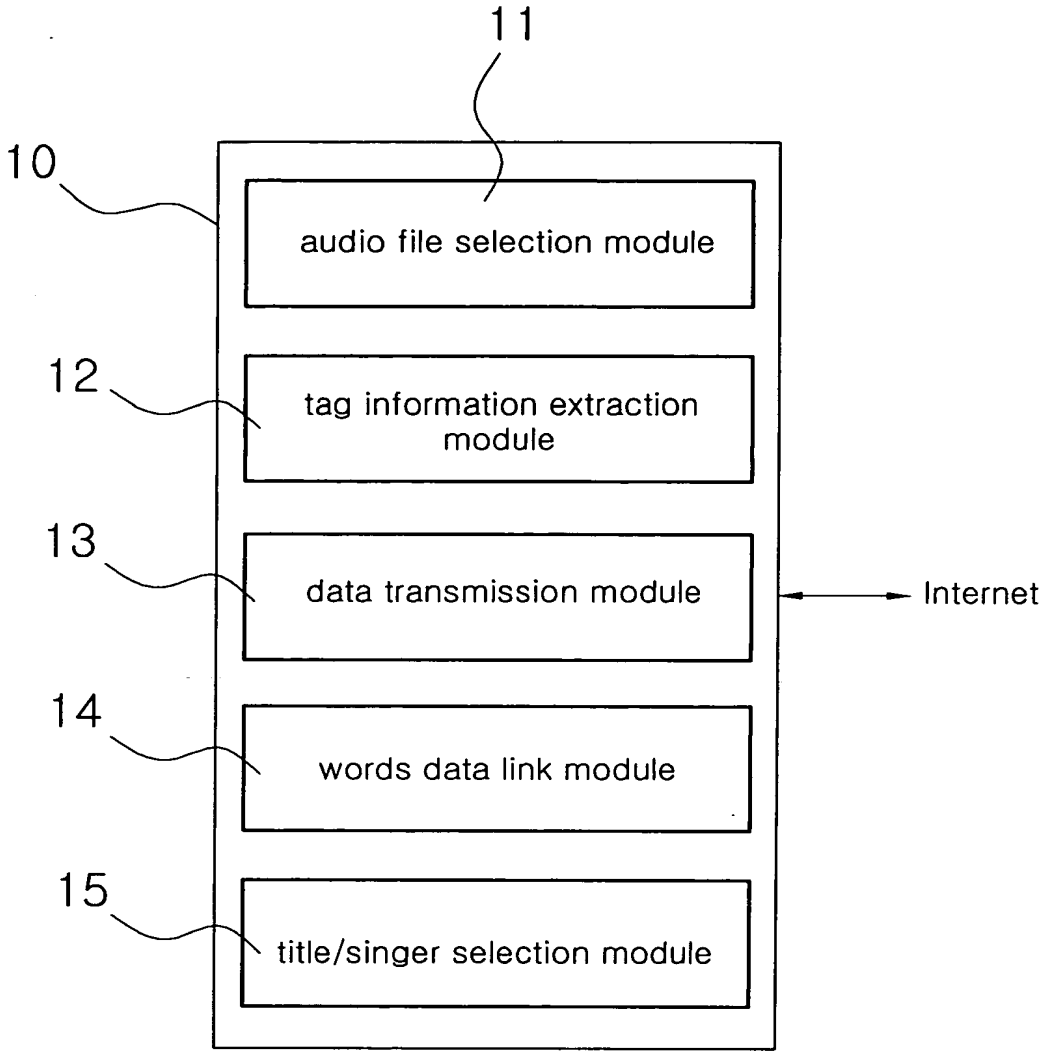
WO 2005/050888 PCT/KR2004/003056

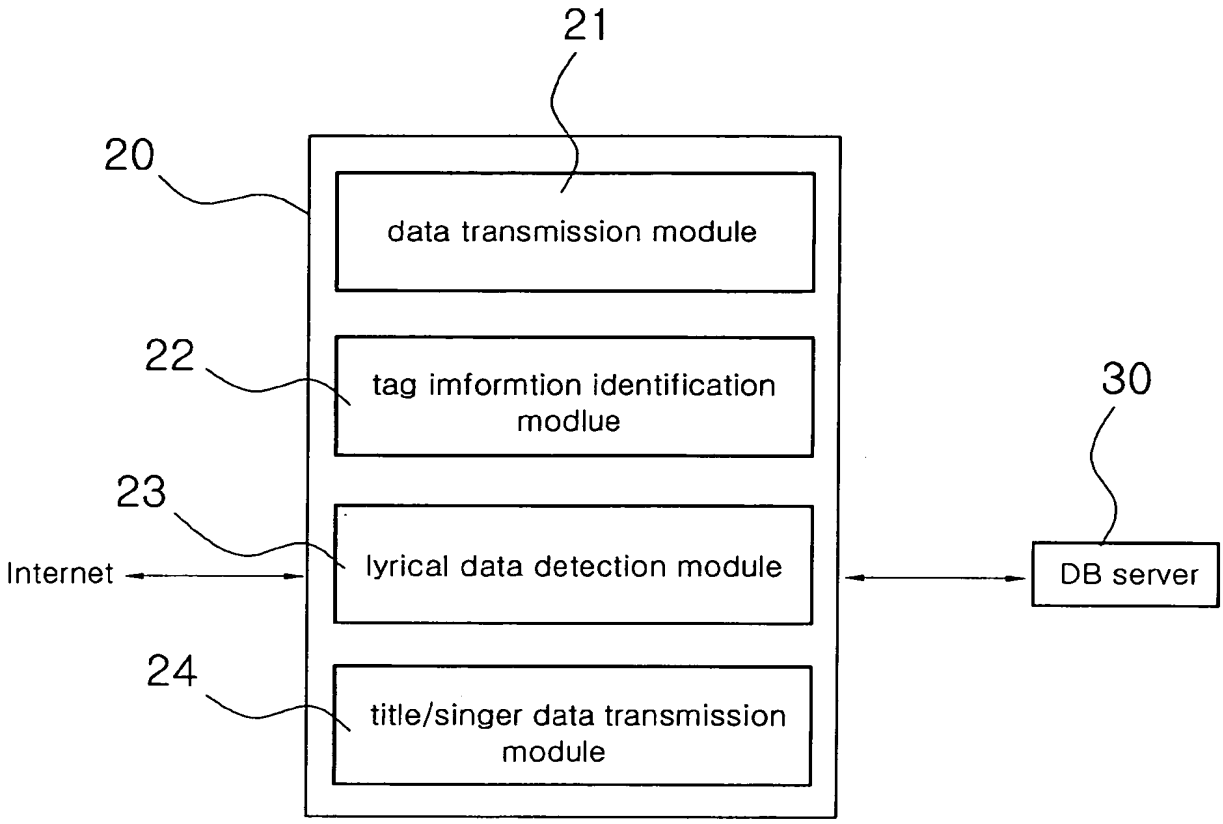
[Fig. 1]



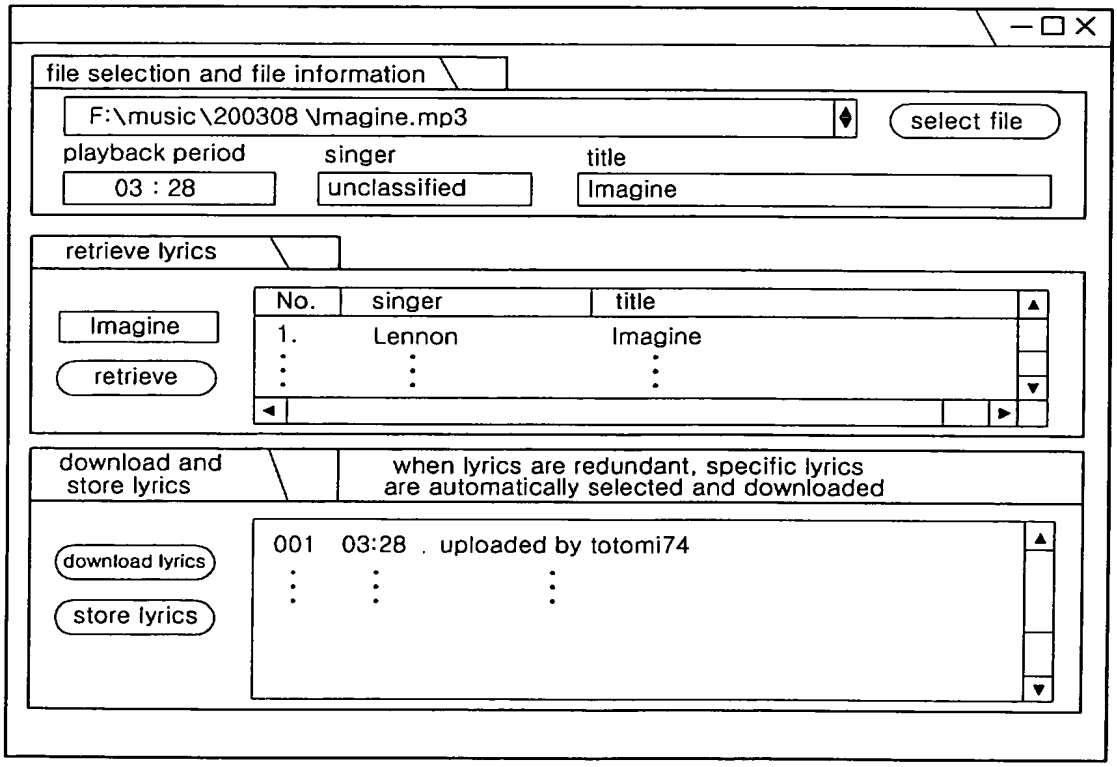
[Fig. 2]


11
10
audio file selection module
12
tag information extraction module
13
data transmission module
Internet
14
words data link module
15
title/singer selection module

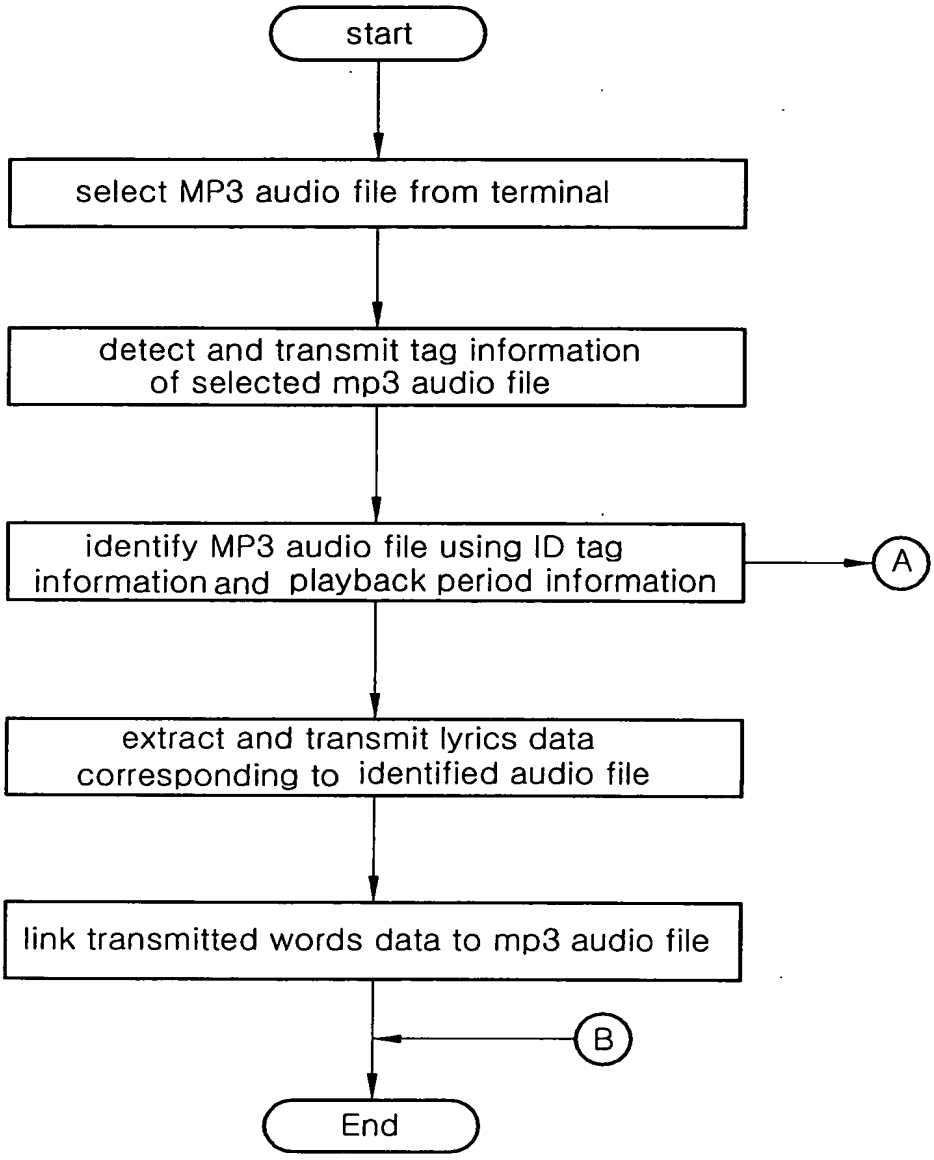
[Fig. 3]


21
20
data transmission module
22
tag imformtion identification modlue
30
23
Internet
lyrical data detection module
DB server
24
title/singer data transmission module

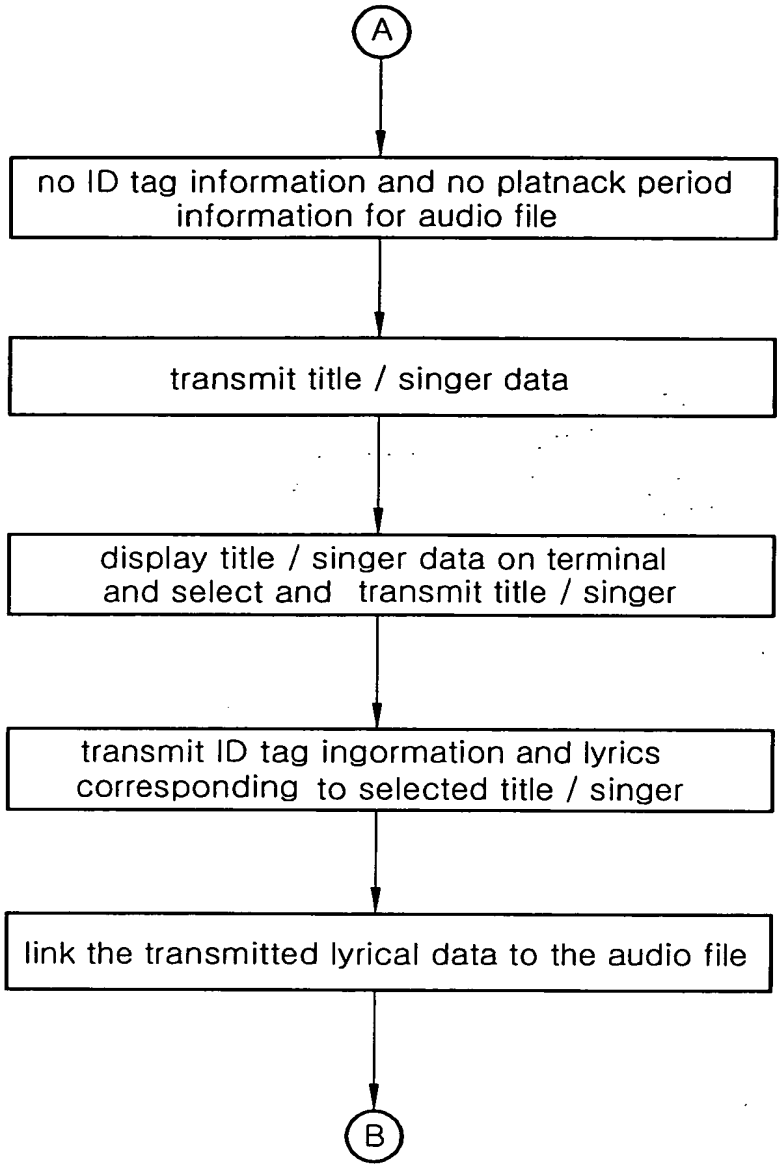
[Fig. 4]


file selection and file information
F:\music\200308 \Imagine.mp3
select file
playback period
singer
title
03 : 28
unclassified
Imagine
retrieve lyrics
Imagine
retrieve
No.
singer
title
1.
Lennon
Imagine
download and store lyrics
when lyrics are redundant, specific lyrics are automatically selected and downloaded
download lyrics
store lyrics
001 03:28 . uploaded by totomi74

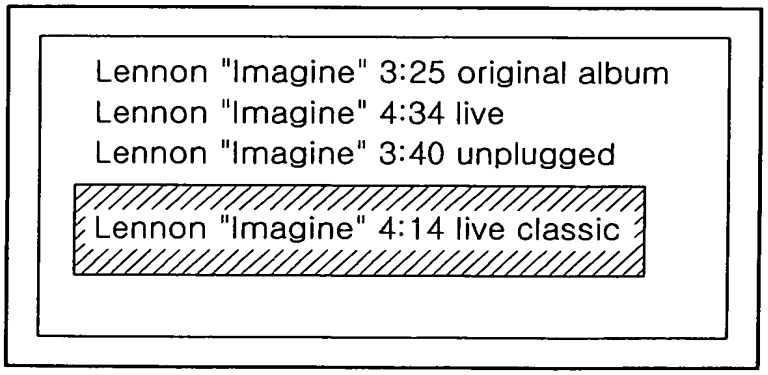
[Fig. 5]


start
select MP3 audio file from terminal
detect and transmit tag information of selected mp3 audio file
identify MP3 audio file using ID tag information and playback period information
A
extract and transmit lyrics data corresponding to identified audio file
link transmitted words data to mp3 audio file
B
End

[Fig. 6]


A
no ID tag information and no platnack period information for audio file
transmit title / singer data
display title / singer data on terminal and select and transmit title / singer
transmit ID tag ingormation and lyrics corresponding to selected title / singer
link the transmitted lyrical data to the audio file
B

[Fig. 7]


Lennon "Imagine" 3:25 original album
Lennon "Imagine" 4:34 live
Lennon "Imagine" 3:40 unplugged
Lennon "Imagine" 4:14 live classic